	Onake obavva park		1	1	13.50	10.00	0.30	40.50		
	Sardharvallabhai patel park		1	1	15.00	15.00	0.30	67.50		
	Allalasandhra lake		1	1	14.00	10.00	0.30	42.00		
			1	1	18.00	12.00	0.30	64.80		
	Gandhi park judicial layout		1	1	8.50	17.00	0.30	43.35		
	Sangoli rayanna park		1	1	15.00	8.00	0.30	36.00		
							Qty	362.88	2206.05	800524.8039
23	Providing and laying/fixing cement base, precast, pre polished cement concrete, designer tiles 25mm thick for flooring conforming to IS 1237 heavy duty tiles for flooring, treads of steps and landing, laid on a bed of 12mm thick cement mortar 1:3 mix finished with flush pointing using white cement, including cost of materials, mortar including cutting, griding the edge to half/full round wherever required, labour, curing complete as per specification. completion of the work as per direction of engineer in charge of work.									
		Sqm								
	Sangolli rayanna park									
			1	1	13.00	13.00		169.00		
	Deducting earthwork portion		-13	1	0.60	0.60		-4.68		
							Qty	164.32	1319.59	216835.0288
22	Providing and constructing load bearing wall with solid concrete blocks of size 400x200x200 mm having block density not lessthan 1800 kg/m3 and having a minimum average compressive strength 5.00 N/mm2 confirming to IS 2185 (Part) : 2005 and constructed with CM 1:4 , as per IS 2572:2005 including cost of all materials, labour charegs, scaffolding, curing complete as per specifications..completion of the work as per direction of engineer in charge of work.									
24	Supply & fixing of children multi play equipment with spiral slide, monkey bar with number pannel .Upright structural posts of height 4.2 m are to be hot dip galvanized steel with a 114 mm OD and 2.2mm wall thickness of tubing . Roof of size 1.9m x 1.7m x 0.77 m , spiral slide of size2.56m x 1.85m x 2.68m. Top rails of monkey bar size 1.8m x 1.3m are all robotic welded & fabricated from 48mm OD galvanized steel pipes for the outer bars &32 mm OD galvanized steel for the inner parallel bars with a baked on powder coated finish. Deck of size 1.45 x 1.45 m are pressed and punched , welded ,sand blasted ,powder coated to 2.2mm thickness or vinyl coated to a thickness of 4mm . Deck of size 1.45 x 1.45 m are pressed and punched , welded ,sand blasted ,powder coated to 2.2mmthickness or vinyl coated to a thickness of 4mm. Deck, step, platform ,stairs, baffle shall be all robotic welded. Inclined ramps of size 1.92m x 0.65m , stair case of size 1.5m x 0.77m are fabricated from solid 2mm perforated solid punched steel Frisbee climber , piped walls of size 1 m are robotic welded , fabricated from 32 mm OD galvanized steelpipes for outer and 25mm OD galvanized steel pipes for inner bar with baked on powder coat finish.The poles welded on to base plate made from steel with 114mm inner dia double slide of size 2.2 m x 1.5m x 1.45 m panel. The									
		Each	2.00				Qty	2.00	1936256.44	3872512.88

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25	Supply and fixing of childern Multi Play Equipment with double swing, curved side toddler slide with animated roof Upright structural posts of height 2.7 m and 3 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. The poles are welded on to a base plate made from steel with 114mm inner diameter. Deck of size 1.45 x 1.45m and Staircase of size 1.48 m x 0.60 m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Handrail of height 1.90 m and Dia 32 mm shall be an all-robotic welded unit, fabricated from 32 O.D. galvanized steel pipes with a baked on powder coating finish. Exposed hardware shall be covered with ultra violet stabilized plastic safety caps as per Sun Roof of size 2.0 m x 1.78 m x 0.77m, Spiral Slide of size 2220 mm x 1630 mm x 1880 mm , Straight Slide of size 1645 mm x 800 mm x 1140									
		Each		1.00			Qty	1.00	1229647.65	1229647.65
26	Supply and fixing of childern Multi Play Equipment with curved slide and number panel : Upright structural posts of height 2.4 m, 2.7 m, 3.3 m schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. All metal components are to be finished with a baked on powder coat finish.With deck of size 1.45 x 1.45m and Staircase of size 1.5m x 0.77 m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Decks are pressed, punched, and welded sand blasted and vinyl plastic coated to a thickness of 4mm. Along with Handrail of height 2.2 m and Dia 32 mm shall be an all-robotic welded unit, fabricated from 32 O.D. galvanized steel pipes with a baked on powder coating finish.Curved Slide of size 1.94 m x 1.85 m x 2.4 m, Panels,Toprails Of Monkey loop of size 1.8 m x 1.3 m.Deck of size 1.45 x 1.45m are fabricated from 2mm perforated solid punched steel. Deck perimeter is precision pre punched for attachments. Decks are pressed, punched, and welded sand blasted and vinyl plastic coated to a thickness of 4mm. Roof of size Dia 2 m and height 0.82 m, Spiral Slide of size 1.16 m x 1.6 m x 3.6 m, Panels The rates are to be inclusive of supply and installation at site.									
		Each	1.00					1.00	2224684.00	2224684.00
27	Supply and fixing of childern Multi Play Equipment :Upright structural posts of height 2.35 m , 3.0 m and 3.25 m are to be schedule HOT DIP Galvanized steel with a 114mm OD and 2.2mm (wall) thickness of the tubing. Handrail of height 2.20 m and Dia 32 mm shall be an all-robotic welded unit, fabricated from 32 O.D. galvanized steel pipes with a baked on powder coating finish. Snake Ladder Climber of size 0.99 m x 0.62 m x 1.20 m with thickness of Dia 38 mm, Piped walls of Height 2.6 m are all robotic welded fabricated from 32 O.D. galvanized steel pipes for the outer pipes and 25mm O.D. galvanized steel for the inner parallel bars with a baked on powder coat finish. crab Roof of size 1.9 m x 1.7 m x 0.77m, Sun Roof of size 2.0 m x 1.78 m x 0.77m, Straight slide 2.28 m x 0.83 m x 1.20 m , Spiral Slide of size 2.22 m x 1.60 m x 1.5 m, Rock climber of size 1.03 m x 0.70 m x 1.20 m Panel. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges..completion of the work as per direction of engineer in charge of work.									
		Each					Qty	4.00	1514825.81	6059303.24
28	Supply and fixing of childern Play Equipment Two seater seesaw : The See Saw consists of 2 poles of Dia 114mm and thickness of 2.5mm which balances the horizontal rod at the center which is of size 3110 mm length and Dia 114 mm. It consists of 2 seats which is made of LLDPE virgin plastic of size 305mm X 213 mm X 125 mm. The rates are to be inclusive of supply and installation at site. Inclusive of All Taxes and Transportation Charges.completion of the work as per direction of engineer in charge of work.									
		Each					Qty	4.00	84365.05	337460.20
	Supply & fixing of Arm & Pedal Bike : All products must tested and certified to meet									

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	EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates.										
29	All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and ecesssive movement, which can cause injuries. The limitors must be in accordance with EN16630										
		Each					Qty	1.00	214757.81	214757.81
	Supply & fixing of Big Shouider Wheel : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products										
30	must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Bearings : Maintenance-free ball bearings.										
		Each	1				Qty	1.00	151593.75	151593.75
	Supply & fixing of Elliptical Cross Trainer: All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products										
31	must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and										
	Qty Recorded In First Bill	Each	1				Qty	1.00	176859.38	176859.38
32	Supply & fixing of Pull Down Challenger : All products must tested and certified to									

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	meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from Rotomoulded LLDPE. Bearings : Maintenance-free ball bearings. Equipment which have sway and moving parts, must have built in limitors that prevent unwanted and									
		Each	1				Qty	1.00	299145.00	299145.00
33	Supply & fixing of Seated Chest Press : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat and backrest is made from									
		Each	1				Qty	1.00	290554.69	290554.69
34	Supply & fixing of Rider : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. The seat is made from Rotomoulded									
		Each	1				Qty	1.00	113695.31	113695.31
	Supply & fixing of Tai Chi Spinners : All products must tested and certified to meet									

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	EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory during technical bid. All products										
35	must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Bearings : Maintenance-free ball bearings.										
		Each	1				Qty	1.00	145276.86	145276.86
36	Supply & fixing of HD Sit Up Station : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued										
		Each	1				Qty	1.00	157909.68	157909.68
	Supply & fixing of HD Squat Pushing : All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out a minimum of 100 public park projects in India with EN16630-GS certified products either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying										
37	bodies websites as online verification is mandatory during technical bid. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to										
		Each	1				Qty	1.00	271604.99	271604.99
	Supply & fixing of HD Health Walker :All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is										
38	mandatory. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs. Footplates made of alloys of Nylon having good thermal stability. Internal Limited										
		Each	1				Qty	1.00	176859.38	176859.38
	Supply & fixing of HD Mini Ski :All products must tested and certified to meet										

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39	EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the									
		Each	1				Qty	1.00	201215.44	201215.44
40	Supply & fixing of HD Waist Twister :All products must tested and certified to meet EN16630 safety standards with GS test mark. The EN16630 certificates must be issued by a reputed notified International Certifying Body such as IPEMA, TUV, CPSC, or SGS only. The GS mark-EN 16630 certificates must be in the name of a supplier who has carried out in excess of at least 50 public park projects in India either by themselves or through their dealers or contractors. These EN16630 & GS Mark certificates must be clearly displayed on the notified certifying bodies websites as online verification is mandatory. All products must clearly display the GS mark as has been issued in the EN16630 safety certificates. All Tubular steel of 2.5mm thickness are galvanized and zinc dipped. Joints are Robotic Welded. All welded joints are scalloped as necessary and welded to an approved MIG process. All welds are dressed off removing all sharp edges & burrs. Zinc Primer paint is applied at all the welding paints prior to finishing. All metal parts are powder coated using AKZO Nobel - Great Wall Powder to the thickness of 80 - 120 microns. All metal parts are tested in our salt spray machine that uses a 5% NaCL solution in accordance to ISO7227 to speed up corrosion for 3000 hrs.									
		Each	1				Qty	1.00	164226.56	164226.56
41	Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clodscomplete as per specifications and directions of the Engineer in charge.									
		Cum								
	For pile Foundation	Cum								
	Badminton court									
	Piles cap		24.00	1.00	3.60	2.40	1.90	393.98		
	Retaing wall									
	south side		1.00	1.00	2.13	0.80	1.30	2.22		
			1.00	1.00	2.90	0.80	1.30	3.02		
	west to east		1.00	1.00	2.90	0.80	1.30	3.02		
			1.00	1.00	2.90	0.80	1.30	3.02		
			1.00	1.00	2.90	0.80	1.30	3.02		
			1.00	1.00	2.90	0.80	1.30	3.02		
			1.00	1.00	2.50	0.80	1.30	2.60		
			1.00	1.00	0.95	0.80	1.30	0.99		
	Swimming pool side									
			1.00	1.00	2.13	0.80	1.30	2.22		
			1.00	1.00	2.90	0.80	1.30	3.02		
			1.00	1.00	2.90	0.80	1.30	3.02		
			1.00	1.00	2.90	0.80	1.30	3.02		
			1.00	1.00	2.90	0.80	1.30	3.02		
			1.00	1.00	2.90	0.80	1.30	3.02		

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			1.00	1.00	2.50	0.80	1.30	2.60		
			1.00	1.00	0.95	0.80	1.30	0.99		
	Cross wall side									
			3.00	1.00	4.10	0.80	1.30	12.79		
			3.00	1.00	4.37	0.80	1.30	13.63		
			3.00	1.00	4.10	0.80	1.30	12.79		
	Sanitary Pipe Lines		1.00	1.00	6.80	0.40	0.45	1.22		
			1.00	1.00	7.10	0.40	0.45	1.28		
	Chain link Poles		1.00	19.00	0.45	0.60	0.60	3.08		
							Qty	480.55	327.25	157259.5948
42	Bored / Cast-in-situ R.C.C. . piles with OPC cement design mix M20 @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.46cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed 2008 excluding reinforcement as per drawings including cost of all materials, labour, HOM of machineries complete as per specifications. MORTH Specification complete as per specifications and directions of the Engineer in charge.									
	For pile Foundation	m								
			40	1	18.50			740.00		
			1	1	23.00			23.00		
			2	1	21.00			42.00		
			2	1	20.00			40.00		
			1	1	19.00			19.00		
			2	1	17.00			34.00		
							Qty	898.00	12344.06	11084965.88
43	Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.complete as per specifications and directions of the Engineer in charge.									
		Cum								
	entrance		1	1	20.2	3	0.15	9.09		
							Qty	**9.09**	5568.06	50613.6654
44	Providing and laying in position plain cement concrete of mix M15 with cement @ 240kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation,plinth and cills, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. complete as per specifications and directions of the Engineer in charge.									
	inside floor	Cum	1	1	37	20.4	0.15	113.22		
	Bath room entrance		1	1	20.2	3	0.15	9.09		
							Qty	**122.31**	5917.45	723763.3095
45	Providing and constructing granite / trap / basalt size stone masonry in foundation cement mortar 1:6, stone hammerddressed in courses not less than 20 cms high, bond stones at 2m apart in each course including cost of materials, labour, curing complete as per specifications and directions of the Engineer in charg									
	For Bath rooms	Cum	1	2	3.7	0.6	1	4.44		
			1	2	1.5	0.6	1	1.8		
							Qty	**6.24**	5015.59	31297.2816

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46	Filling available excavated earth (excluding rock) in sides of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications.complete as per specifications and directions of the Engineer in charge.									
	Back filling	Cum	24	1	1.40	1.80	0.30	18.14		
			24	1	1.30	1.80	0.30	16.85		
			2	1	39.94	0.30	1.30	31.15		
			3	1	20.61	0.30	1.30	24.11		
	Sanitary Lines		1	1	7.00	0.45	0.45	1.42		
			1	1	6.75	0.45	0.45	1.37		
							Qty	93.04	219.45	20418.3467
47	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per the direction of the Engineer-in-charge.									
		Item Not Opertated								
48	Providing and removing centering, shuttering, strutting, propping etc., and removal of of all materials, labour complete as per specificaitons. complete as per specifications and directions of the Engineer in charge.									
		Sqm								
	Longer		48	1	2.30		0.60	66.24		
			48	1	1.00		0.60	28.80		
							Qty	95.04	281.05	26710.992
49	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness , including attached pilasters, buttresses, plinth and string courses cost of all materials, labour complete as per specificaitons. complete as per specifications and directions of the Engineer in charge.									
	Wall	Sqm	2	1	39.91		1.30	103.77		
			6	1	20.60		1.30	160.68		
			4	1	3.30		1.30	17.16		
	Deduction		-24	1	0.50		1.30	-15.60		
							Qty	266.01	389.81	103691.7989
50	Providing and removing centering, shuttering, strutting, propping etc. and Removal of form Work for columns, piilars, piers, post and struts, square / rectangular / polygon in plan including cost of all materials, labour complete as per specificaiton. complete as per specifications and directions of the Engineer in charge.									
	Pile cap	Sqm	48	1	0.90		1.30	56.16		
			48	1	0.50		1.30	31.20		
	For out side coloumns		1	4	1.2		4	19.20		
							Qy	106.56	497.61	53025.3216
51	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for suspended floors, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons for heights more than 3.50m from ground level. - 0 to 5 mtrs.complete as per specifications and directions of the Engineer in charge.									
	For Roof	Sqm	1	1	20.4	3.3		67.32		
							Qty	67.32	436.01	29352.1932
52	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floors including cost of all materials,labour complete as per specifications. complete as per specifications and directions of the Engineer in charge.									
	For chejja	Sqm								
	V1		2	2	2.9	0.9		10.44		
			1	3	2.3	0.9		6.21		
			1	1	4.35	0.9		3.915		

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							Qty	20.565	823.90	16943.5035
53	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.complete as per specifications and directions of the Engineer in charge.									
	Bath Room	Sqm								
	Lintels Bottom		1	6	3.50	0.20		4.20		
	LINTELS SIDES		2	6	3.50	0.30		12.60		
	Entranace Wall							0.00		
		Sqm	1	2	20.40	0.20		8.16		
			1	4	20.40	0.30		24.48		
	Roof Beam									
	east and west side		1	2	20.40	0.45		18.36		
	North and south		1	2	3.50	0.45		3.15		
	Inside							0.00		
	East and west		1	2	20.40	0.30		12.24		
	North and south		1	6	3.50	0.30		6.30		
							Qty	89.49	318.59	28510.6191
54	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specificaitons.complete as per specifications and directions of the Engineer in charge.									
		Item Not Opertated								
55	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super plasticisers @ 3 liters not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. complete as per specifications and directions of the Engineer in charge.									
	Pile cap	Cum								
			24	1	2.30	1.00	0.60	33.12		
			24	1	0.90	0.50	1.30	14.04		
								0.00		
	walls		2	1	39.94	0.20	1.30	20.77		
	Bathroom walls		3	1	20.69	0.20	1.30	16.14		
			2	1	3.30	0.20	1.30	1.72		
							Qty	85.78	6342.88	544111.275
56	Providing and laying in position reinforced cementconcrete of design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70cum andfine aggregtes @ 0.47cum,with superplastisiser @3lts confirming to IS 9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick,vibrated fo all works in ground Floor level for roof slabs ,staircase, lintels , beams, retaining walls ,return wall, walls (an thivck ness) including attached plasters ,columns, pillars,posts,struts.butters,string or lacing courses ,parapets,coping,bed blocks,anchor blocks ,plain window cills,fillets including cost of all materials, labour,HOM of machinery, curing, complete as per complete as per specifications and directions of the Engineer in charge.									
	Roof	Cum	1	1	20.4	3.3	0.15	10.10		

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			3	1	20.2	0.2	0.2	2.42		
	Lintels		2	1	1.5	0.2	0.2	0.12		
			2	1	1.2	0.2	0.2	0.10		
	Beams		6	1	3.5	0.2	0.2	0.84		
			2	1	1.5	0.2	0.2	0.12		
	V1		2	2	2.9	0.6	0.1	0.35		
			1	3	2.1	0.6	0.1	0.13		
			1	1	4.35	1	0.1	0.44		
	Eitherside of wooden flooring		1	1	33.5	1.65	0.12	6.63		
			1	1	33.5	1.05	0.12	4.22		
			1	1	20.3	1.65	0.12	4.02		
			1	1	20.3	0.89	0.12	2.17		
			1	2	41	1	0.1	4.10		
			1	1	21	1	0.1	2.10		
			1	1	17	1	0.1	1.70		
							Qty	39.55	6597.94	260938.2342
57	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 27.20kgs, with 12mm and down size graded granite metal coarse aggregates @0.586cum and fine aggregtes @ 0.391cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 8.5 cms. average thickness, upto First Floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete as per specifications.complete as per specifications and directions of the Engineer in charge.									
	Chainlink pole	Cum	1	19	0.45	0.60	0.60	3.08		
	Vidhansouda grill poles		1	9	0.45	0.60	0.60	1.46		
							Qty	4.54	540.93	2453.65848
58	Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. complete as per specifications and directions of the Engineer in charge.									
	PILES	Tonne								
		16mm	40	12	20	9600	1.58	15168.00		
			1	12	24.5	294	1.58	464.52		
			2	12	22.5	540	1.58	853.20		
			2	12	21.5	516	1.58	815.28		
			1	12	20.5	246	1.58	388.68		
			1	12	18.501	222.01	1.58	350.78		
	Rings									
		8mm	48	12	1.96	1129	0.39	440.29		
			40	124	1.96	9721.6	0.39	3791.42		
			1	154	1.96	301.84	0.39	117.72		
			1	141	1.96	276.36	0.39	107.78		
			2	134	1.96	525.28	0.39	204.86		
			1	127	1.96	248.92	0.39	97.08		
			2	114	1.96	446.88	0.39	174.28		
	Pile cap									
	Cross rods									
	Main rods	12mm	24	23	3.3	1821.6	0.89	1621.22		
			24	10	5.8	1392	0.89	1238.88		

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Pedestal	16mm								
		24	18	3.2	1382.4	1.58	2184.19		
	8mm	24	12	3.2	921.6	0.395	364.03		
		48	6	2	576	0.395	227.52		
Coloumns									
	25mm								
stirrups		4	4	6.4	102.4	3.85	394.24		
	8mm	4	30	1.2	144	0.395	56.88		
Plinth Beam									
Top And bottom									
	20mm	2	4	40.5	324	2.46	797.04		
		2	4	40.5	324	2.46	797.04		
	25mm	1	2	21.5	43	3.85	165.55		
		2	2	25.5	102	3.85	392.70		
Rings		2	2	21.5	86	3.85	331.10		
	8mm	2	200	3.2	1280	0.39	499.20		
Both side		3	104	3.2	998.4	0.39	389.38		
	12mm	2	8	39.9	638.4	0.89	568.18		
Bath room walls		3	4	20.69	248.28	0.89	220.97		
Top									
bottom	20mm	2	2	3.5	14	2.46	34.44		
Rings		2	2	3.5	14	2.46	34.44		
Horizantal rods	8mm	2	17	3.2	108.8	0.395	42.98		
U bars	12mm	2	8	3.5	56	0.89	49.84		
	12mm	2	145	1	290	0.89	258.10		
		3	95	1	285	0.89	253.65		
Lintles	16	3	2	21.2	127.2	1.58	200.976		
		3	3	21.2	190.8	1.58	301.464		
Cross		4	3	4.1	49.2	1.58	77.736		
		4	2	4.1	32.8	1.58	51.824		
Stirrups	12	3	105	1.2	378	0.89	336.42		
		4	19	1.2	91.2	0.89	81.168		
	12	2	2	3.3	13.2	0.89	11.748		
		2	2	3.3	13.2	0.89	11.748		
		2	2	1.5	6	0.89	5.34		
		2	2	1.5	6	0.89	5.34		
Stirrupsa		2	15	0.75	22.5	0.89	20.025		
Beams									
	20	2	2	21.2	84.8	2.46	208.608		
		2	3	21.2	127.2	2.46	312.912		
	20	4	2	3.9	31.2	2.46	76.752		
		4	3	3.9	46.8	2.46	115.128		
	8	2	140	1.25	350	0.39	136.5		
	8	4	26	1.25	130	0.39	50.7		
Slab									
	12								
Straight		1	85	3.9	331.5	0.89	295.035		
Cranck		1	85	4	340	0.89	302.6		
Extra bars		2	85	1.2	204	0.89	181.56		
Distribution	8	1	24	20.9	501.6	0.39	195.624		
Distribution for crank	8	2	6	20.9	250.8	0.39	97.812		
For brickwall									
Pool side	8	2	8	40	640	0.39	249.6		
Open ground side	8	2	8	40	640	0.39	249.6		

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								37471.68		
							Qty	37.4717	77457.19	2902451.17
59	Providing and constructing load bearing wall with solid concrete blocks of size 400X200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications.complete as per specifications and directions of the Engineer in charge.									
	Walls	Sqm								
	Short wall		1	3	20.62		4.00	247.44		
	Long wall		1	2	40.20		4.00	321.60		
	Bath room walls		1	2	3.30		4.00	26.40		
		Sqm	1	2	3.30		2.40	15.84		
			1	2	1.50		2.40	7.20		
	Steps									
			1	1	2.75		0.15	0.41		
			1	1	2.75		0.30	0.83		
			1	1	2.75		0.45	1.24		
			1	1	2.75		0.60	1.65		
			1	1	2.75		0.75	2.06		
			1	1	2.75		0.90	2.48		
			1	1	2.75		1.15	3.16		
								630.31		
	Deduction		1	2	1.80		2.10	7.56		
			1	2	0.90		2.10	3.78		
			1	4	0.75		2.10	6.30		
			1	5	1.50	1.50		11.25		
			1	2	2.40		0.60	2.88		
			1	4	0.75		0.75	2.25		
								34.02		
							Qty	596.29	995.23	593440.7206
60	Fabrication supplying and erecting M.S. tubular trusses of all spans with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the. members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation. complete as per specifications and directions of the									
		kg						53256.06	120.31	6407236.579
61	Construction of embankment with approved material Gravel/Murrum with all lifts and leads, transporting to site, spreading, grading to required slope and compacting to meet requirement Table 300- 2 complete as per specifications.(Including cost of gravel / murrum, watering charges & compaction by vibratory roller to 95% of proctors density) MORTH Specification complete as per specifications and directions of the Engineer in charge.									
		cum	1	1	37.48	20.00	0.75	562.13		
							Qty	562.13	354.20	199104.675

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62	Providing and constructing non-load bearing wall with solid concrete blocks of size 400X100X200 having a block density not less than 1800kg/m3 having a minimum average compressive strength of 4.00 N/mm2 conforming to I.S : 2185 (Part 1) : 2005 and constructed with CM 1:4, as per IS 2572:2005 including cost of all materials, labour charges, scaffolding, curing, hire chargesof machineries etc., complete as per specifications. complete as per specifications and directions of the Engineer in charge.									
		Sqm								
63	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners. wherever required smooth rendering, Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications complete as per specifications and directions of the Engineer in charge.									
	Out side	Sqm	1	2	40.4		4	323.2		
			1	2	21.6		4	172.8		
	deduction									
	MD		-1	1	1.8		2.1	-3.78		
			-1	5	1.5		1.2	-9		
			-1	2	1.8		0.9	-3.24		
			-1	2	0.9		0.9	-1.62		
							Qty	**478.36**	283.94	135825.5384
64	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications .complete as per specifications and directions of the Engineer in charge.									
	Inside	Sqm	1	2	40.2		4	321.6		
			1	4	20.2		4	323.2		
	Deduction									
			-2	1	1.8		2.1	-7.56		
			-4	1	0.75		0.75	-2.25		
			-2	1	0.9		2.1	-3.78		
							Qty	**631.21**	222.34	140343.2314
65	Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4 to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications complete as per specifications and directions of the Engineer in charge.									
	For toilets	Sqm	4	2	3.3		4	105.6		
			2	2	1.5		4	24		
							Qty	**129.6**	223.30	28939.68
66	Providing 12mm thick cement plaster in single coat with cement mortar 1:4 , to ceiling including rounding off corners wherever required smooth rendering, : including Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications.complete as per specifications and directions of the									
	Entrance	Sqm	1	1	20.4	3		61.2		
							Qty	**61.2**	245.44	15020.928

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67	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty . Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of alll mateerial cost of labour and scaffolding etc. ,complete as per specification.complete as per specifications and directions of the Engineer in charge.									
	Ceiling	Sqm		1	20.4	3.15		64.26		
	side			2	6.55		3.6	47.16		
	side			2	3.15		3.6	22.68		
	court			2	36.15		4	289.2		
				2	21.3		4	170.4		
	Deduction			-2	1.5		2.1	-6.3		
				-5	1.5		1.2	-9		
				-2	0.9		2.1	-3.78		
							Qty	574.62	84.70	48670.314
68	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications - with primer. complete as per specifications and directions of the Engineer in charge.									
		Sqm						631.21		
	Same as Plastering Qty item 64						Qty	631.21	98.18	61972 1978
69	Providing and applying two coats with oil bound washable distemper of approved brand and shade on wall surface including priming coat with distemper primer after throughly brooming the surface free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications page no117 item no 15.49.1 . KSRB 15-14.1 : Extra over Item 15-14.1 for applying oil bound washable distemper on ceiling and / or sloping roof as per specifications complete as per specifications and directions of the Engineer in charge.									
	Inside court	Sqm	1	2	36.15		4	289.2		
			1	2	20.15		4	161.2		
								450.4		
	Deduction		1	3	1.8		1.8	9.72		
			1	1	1.5		2.1	3.15		
								12.87		
							Qty	437.53	128.01	56008.22
70	Providing external walls with texture finish using approved brand paint, applied uniformly in three coats over one coat of primer including cost of all materials, machineries, labour, transportation, loading and unloading, all lead and lift and all other incidental charges including scaffolding and removing stains, complete as per specifications complete as per specifications and directions of the Engineer in charge.									
		Sqm								
	Same as Plastering Qty item 63						Qty	478.36	370.56	177261.0816
71	Providing and fixing M.S.grill work for windows and ventilators weighing 21kg/sqm using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approve design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications and directions of the Engineer in charge.									
	Bath room Ventilators	Sqm	2	2	0.75		0.6	1.8		
	Bath room front side		1	2	4		0.6	4.8		
	Front side Windows		1	2	1.4		1.6	4.48		
	Rear side windows		1	3	1.5		1.2	5.4		

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	Ventilators			1	2	20.40		0.90	36.72	
	21Kg/Sqm								53.20	
								Qty	1117.20	102.99	115060.43
72	Providing and laying M-15 cement concrete flooring, 50 mm thick with metallic concrete hardner topping , under layer of 35mm thick m-15 cement concrete using broken granite metal of 20mm and down size, and top layer 50mm thick of metallic cement hardner consisting of mix 1:2 (1 cement hardner mix : 2 granite metal 10mm nominal size) by volume, with which metallic hardening compound of approved quality mix in the ratio of 4:1 (4 part of cement and 1 part of metallic floor hardening compound of approved quality by wt) , including finishing cost of materials, labour, curing, complete as per specifications and directions of the Engineer in charge.									
	Inside court area	Sqm	1	1	37			20.4	754.8		
								Qty	754.8	688.19	519445.812
73	Providing and fixing for flooring 20mm thick gang saw water cut sadarhalli gray granite in CM 1:4 proportion, cut to required shape, pattern with paper joints, finished with making through jointing with sealant, groves in joints including cost of curing - minimum width of 900mm.complete as per specifications and directions of the Engineer in charge.									
	For Steps	Sqm								
	Tred		1	5	2.75	0.28			3.85		
	Riser		1	5	2.75	0.15			2.06		
	Landing		1	1	2.75	0.96			2.64		
	Entrance		1	1	2.75	1.89			5.20		
								Qty	13.75	2159.85	29697.9375
74	Providing and fixing Vetrified glazed tiles of approved make quality & colour of size 900x900x 12mm thick fixed on bed of 12mm thick cement mortar for flooring ,skirting ad jointed with neat cement slurry mixed with pigment to match shade of tiles, including providing spacers at required interval and removing stains etc including Cost of all materials mortar labour etc complete as per specifications and directions of the Engineer in charge.									
	LOBBY		1	1	6.55	3.10			20.31		
	All round		1	1	33.5	1.65			55.28		
			1	1	33.5	1.05			35.18		
			1	1	20.3	1.65			33.50		
			1	1	20.3	0.89			18.07		
									162.32	1240.66	201380.21
75	Providing Ceramic tiles of size 30x30cms 6mm thick of approved make ,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications and directions of the Engineer in charge.									
	inside bath room	Sqm	2	2	1.20	1.20			5.76		
	Toilet area		1	2	5.10	3.15			32.13		
	Out side		1	2	9.10	3.55			64.61		
								Qty	102.50	1320.55	135356.375

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76	Providing skirting, dado, rises of steps with colour glazed tiles 30X60 cms 6mm thick with border of size 30 x 10 cms on 10mm thick cement plaster 1:3 and jointed with white cement slurry over rough plaster surface (excluding cost of rough plastered surface which should be measured and paid separately) using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications and directions of the Engineer in charge.									
	Cladding	Sqm								
	Wall tiles									
	Bathroom									
	Long walls		2	2	6.8		3.6	97.92		
	short wall		2	2	3.15		3.6	45.36		
	Bathroom door face wall		1	2	3.15		2.5	15.75		
	inside bath room		2	2	2.1		2.5	21		
	Doors Head		2	2	0.75		0.25	0.75		
	Wall top		1	2	3.15		0.25	1.575		
	Steps		1	2	0.96		0.73	1.4016		
			1	2	0.65		0.28	0.364		
			1	2	0.5		0.28	0.28		
			1	2	0.35		0.28	0.196		
			1	2	0.18		0.28	0.1008		
	Deduction		-2	2	0.75		0.6	-1.8		
			-2	2	0.9		2.1	-7.56		
			-1	2	0.1		2.5	-0.5		
							Qty	**174.84**	1780.63	311320.7196
77	Providing half nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification and directions of the Engineer in charge.									
	Entrance steps	Sqm	1	6	2.75			16.50		
							Qty	16.50	196.35	3239.775
78	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification and directions of the Engineer in charge.									
	Roof top	Sqm	1		20.4		3.3	67.32		
							Qty	67.32	573.65	38618.118
79	Fixing of door frames in an existing opening including embedding frame in floor and walls after cutting masonary for holdfasts for embedding holdfast in cement concrete 1:3:6 of 20mm and downsize granite metal painting two coats of coal tar to sides of frame,making good the damages to walls and floor as required and disposal of the debries with lead upto 50 m. including cost of materials, labour, complete as per									
	Front door		1	1				1.00		
	Bath room door	Sqm	1	2				2.00		

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								3.00	1491.88	4475.64
80	Providing Honne wood frames of doors, windows, clerestory windows,ventilators and other frames , wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps),but including cost of materials, labour, HOM of machineries complete as per specifications and directions of the Engineer in charge.									
	Main door verticals	Cum	2	4	2.1	0.125	0.065	0.1365		
	Main door sills and Head		1	3	1.6	0.125	0.065	0.039		
	Bath room Head n sill		2	2	1.2	0.125	0.065	0.039		
	Bath room vertical		2	2	2.1	0.125	0.065	0.06825		
							Qty	**0.283**	95616.68	27035.61627
81	Providing and fixing 65mmx90mm GRP Doorframe fabricated using E-Glass Chopped Strand Mat (CSM). U.V-stabilized Isopthalic Gelcoat and Isopthalic resin. The thickness of the GRP skin shall not be less than 2.0 mm. The doorframe consists of four segmens, which are provided with plug-in-socket arrangement in-situ in the mould. The segments are plugged in and are joined together by means of screws. The GRP frame shall be provided with wooden reinforcement of 6 locations fro high screw holding capacity for fixing metallic hold fast and shall be consolidated by filling with medium									
	Bath room doors		1	4	2.10			8.40		
			1	4	0.75			3.00		
								11.40	490.88	5596.032
82	Providing and fixing factory made single leaf rigid GRP Sandwich composite door shutter of 40 mm thick, laminated with two GRP skins with wood grain finish, Chopped Strand Mat (CSM), impregnated with orthopthalic polyester resin. The thickness of the skins shall not be less than 1.5mm. Expanded Polystyrene (EPS) structural foam panel of 37mm thickness and a density of 20 Kg/m3 shall be used as core material. Wooden reinforcements made of Seasoned Salwood block of cross section not lessthan 36mmx32mmand also necessary salwood reinforcements for fixing the metal fittings such as tower bolts, aldrops, handles, etc. shall be provided. A structural adhesive compatible with EPS foam shall be used for bonding the core material, the salwood reinforement and the skins. The material and process for									
	Bath room entry doors	m	1	2	2.10			4.20		
							Qty	4.20	4148.38	17423.196
83	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost ofmaterials, labour, complete as per specifications and directions of the Engineer in charge.									
	Main door Frames	Sqm	4	2	0.125		2.1	2.1		
			2	1	1.8		0.325	1.17		
			1	2	0.9		0.25	0.45		
			1	2	0.9		1.96	3.528		
			1	2	0.6		1.6	1.92		
							Qty	**9.17**	105.88	970.70784
84	Providing and fixing in position fully panelled Honne wood shutters for doors, styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures) and directions of the Engineer in charge.									
	Front door	Sqm	1	2	0.85	2.10	Qty	3.57	5154.19	18400.4583

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85	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using three track window frame of size 92x31.75mm bottom section 1.3mm thick, weight 1.07kg/m; sides and top sections 1.3 mm, thick, weight 0.933 kg/m.shutter frame section comprising top and bottom section of size 40mmx18mm, wall thickness 1.25mm. weight 0.417 kg./m. shutter side outer 40mmx18mm. wall thickness 1.25mm. weight 0.417 kg/m, shutter interlock section 40mmx26.7mm wall thickness 1.1 mm. thick, weight 0.469 kg/m, the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading all aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted, in the assembled frame, stiffened with end									
		Sqm								
	V1		2	2	0.75		0.6	1.8		
	V2		1	2	4		0.6	4.8		
	W1		1	2	1.4		1.6	4.48		
	W2		1	3	1.5		1.2	5.4		
							Qty	16.48	4841.38	79785.9424
86	Providing and applying enamel metal paint two coats (excluding priming coat) over new steel or other metal surface brushing to give an even shade after cleaning oil, grease, dirt and other foreign matter, including cost of materials, labour, complete as per specifications and directions of the Engineer in charge.									
	V1	Sqm	2	2	0.75		0.6	1.8		
	V2		1	2	4		0.6	4.8		
	W1		1	2	1.4		1.6	4.48		
	W2		1	3	1.5		1.2	5.4		
	V		1.00	2.00	20.00		0.90	36.00		
							Qty	52.48	102.99	5404.9152
87	PROVIDING TRAPEZOIDAL PROFILED SHEET Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755-550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling/self tapping screws of 25 mm length, to be fixed over the existing purlins, rafters, channels and trusses. complete as per specifications and directions of the Engineer in charge.									
		Sqm								
	Roof		1	1	23.1	37		854.7		
	Gabale		1	2	20.3	6		243.6		
	sides		1	2	37.2	6		446.4		
	For Gap Fill		1	2	20.1	0.3		12.06		
	Deduction		1	-2	19.5	0.9		-35.1		
							Qty	**1521.66**	750.75	1142386.245
88	Applying red lead ready mix priming coat over new steel or other metal surface including preparing the surface after throughly cleaning oil, grease, dirt and other foreign matter, and scoured with wire brushes, fine steel wool, sand papers including cost of materials, labour, complete as per specifications and directions of the Engineer in charge.									
		Sqm								
	ISMB 400		2	16	0.36		8	**92.16**		
	Web		2	16	0.4		8	**102.40**		
			4	16	0.2		8	**102.40**		
	172mm dia		2	8	0.54		**20.2**	**174.67**		
	Purlins		2	6	37.6		**0.28**	**126.34**		

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	vertical pipes		2	5	21.6		0.28	60.48		
			2	4	4		0.36	11.52		
			2	3	4		0.36	8.64		
			1	1	4		0.36	1.44		
	Diagonal									
			2	8	1.68		0.13	3.38		
			2	8	1.6		0.13	3.22		
			2	8	1.524		0.13	3.06		
			2	8	1.22		0.13	2.45		
			2	8	0.92		0.13	1.85		
			2	8	0.84		0.13	1.69		
			2	8	0.6		0.13	1.21		
			2	8	0.45		0.13	0.90		
			2	8	0.15		0.13	0.30		
			2	8	2.3		0.13	4.63		
			2	8	2.15		0.13	4.32		
			2	8	2		0.13	4.02		
			2	8	1.85		0.13	3.72		
			2	8	1.7		0.13	3.42		
			2	8	1.55		0.13	3.12		
			2	8	1.4		0.13	2.82		
			2	8	1.3		0.13	2.61		
			2	8	1.15		0.13	2.31		
	Vertical dip		1	4	21.2		0.13	10.66		
			1	3	6.3		0.13	2.38		
			1	2	6.7		0.13	1.68		
			1	1	24		0.13	3.02		
			1	4	1.2		0.13	0.60		
			1	4	2.3		0.13	1.16		
			2	1	40		0.13	10.05		
			1	1	20.6		0.13	2.59		
			1	2	23		0.13	5.78		
			1	21	0.9		0.13	2.38		
			5	1	21		0.13	13.20		
			5	4	6.3		0.13	15.84		
			5	4	6.45		0.13	16.21		
							Qty	814.61	44.28	36071.02568
89	Providing and installing of approved make pre painted Galvalume iron Accessories, like, plain, ridges, plain gutter, plain flashing, corner Trim, etc. The total coated thickness (TCT) of the sheet shall be 0.47 mm +/- 0.02 tolerance mm Zinc-Alu Alloy coating AZ 150 gsm as per ASTM 1397/755 -550 mpa steel grade, 5-7 microns epoxy primer on both side of the sheet and polyester top coat 20-22 microns using self drilling / self tapping screws of 25 mm length. (width upto 500-600 mm only), to be fixed over the existing purlins, rafters, channels and trusses.complete as per specifications and directions of the Engineer in charge.									
	Both side gutter		1	2	37.2	1.1		81.84		
	Corners		1	4	5	0.6		12		
	Sloping		1	1	37.2	0.6		22.32		
	ventilator		1	2	20.4	0.6		24.48		
							Qty	140.64	719.95	101253.768

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90	Supply and Installation of approved Wooden Floor for Indoor Hall - Maple Flooring with PU Scaler and coat polish 20mm,thickness*60mm width*2000mm, third &better grade treated sleepers of size 30*60mm to be installed 30cm center to center 20mmm professional EPDM rubber pad inclusive of HOM, labour etc. complete as per specifications and directions of the Engineer in charge.										
	Flooring	Sqm									
	Badmiton court		1	1	33.5	18.25		611.375			
							Qty	611.38	15159.38	9268065.95	
91	Providing and fixing white vitreous china clay,flat back wash basin size 630x450mm with a pair of 15mm C.P brass pillar taps with C.I / M.S brackets ,32mm C.P brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and directions of the Engineer in charge.										
	Bath rooms	No	1	2							
							Qty	2.00	3436.13	6872.26	
92	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia. complete as per specifications and directions of the Engineer in charge.										
	Bath rooms	Each	2	3							
							Qty	6.00	163.63	981.78	
93	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications and directions of the Engineer in charge.For Rain water pipe.do - 110 mm dia										
	Down water pipes	m	2	8	10.00			160.00			
			1	2	3.20			6.40			
							Qty	166.40	473.55	78798.72	
94	Providing and fixing to wall, ceiling and floor unplasticised PVC 6.00 kgs/sqcm working pressure with pipe fittings, wall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials,labour charges, HOM of acquirements and testing complete as per specifications and directions of the Engineer in charge.For Rain water pipe. do- 160mm dia										
	Bath room connection	m	1.00	2.00	8.00			16.00			
	Sanitary lines							0.00			
	Bath room to chamber		2	1	5.74			11.48			
	Chamber to main sever		2	1	6.75			13.50			
							Qty	40.98	930.74	38141.73	
95	Providing and fixing white vitreous china clay, water closet europeon type (pedestal type, p-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level,P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets , 40mm diameter flush pipe fittings and clamps, overflow arrangements with specials and 25mm mosquito proof coupling of approved design,painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and directions of the Engineer in charge.										
	Bath rooms	Each	2	2			Qty	4.00	5409.25	21637.00	
96	Providing and fixing white vitreous china clay,flat back or half stall urinal basin of size 580x380x350mm in the range of two with 7.5 litres P.V.C automatic flushing cistern, C.I / M.S brackets ,standard flush pipe and C.P brass spreaders with brass unions and G.I clamps, C.I trap with outlet grating and other couplings in C.P brass, painting of fittings and brackets, cutting and making good the wall and floor wherever required , including cost of materials, labour complete as per specifications and directions of the										

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